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## (54) Title: METHOD AND APPARATUS FOR CANCELLING SPREAD-SPECTRUM NOISE

## (57) Abstract

A spread-spectrum noise canceller is provided for cancelling user code noise from a spread-spectrum communication channel. The spread-spectrum noise canceller includes a receiver for receiving a spread-spectrum signal (114, 202 or 302) including a first (108, 204 or 304) and at least a second (110, 206 or 306) signal as well as a noise canceller operatively coupled to the receiver for reducing spread-spectrum noise in the first received signal (108, 204 or 304) by substantially processing the at least second received signal out of the received spread-spectrum signal (114, 202 or 302). In addition, a method is provided which cancels user code noise from a spread-spectrum communication channel. The method includes receiving a spread-spectrum signal (114, 202 or 302) including a first (108, 204 or 304) and at least a second (110, 206 or 306) signal and subsequently reducing spread-spectrum noise in the first received signal (108, 204 or 304) by substantially processing the at least second received signal (110, 206 or 306) out of the received spread-spectrum signal (114, 202 or 302).

